

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-306078

(43)Date of publication of application : 17.11.1998

(51)Int.Cl.

C07D233/64
 A61K 31/415
 A61K 31/425
 A61K 31/44
 A61K 31/495
 A61K 31/505
 A61K 31/535
 C07D213/30
 C07D213/71
 C07D213/74
 C07D231/12
 C07D233/61
 C07D233/84
 C07D239/42
 C07D249/08
 C07D277/36
 C07D295/12
 C07D307/64
 C07D333/34
 C07D401/12
 C07D401/12
 C07D401/12
 C07D401/12
 C07D403/12
 C07D403/12

(21)Application number : 09-117976

(71)Applicant : MITSUBISHI CHEM CORP

(22)Date of filing : 08.05.1997

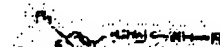
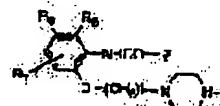
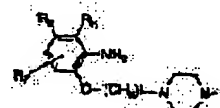
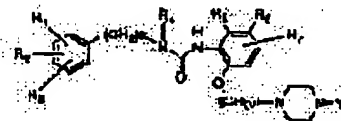
(72)Inventor : INOUE SHINYA
 TARAO YOSHIHIRO
 KOMATSU YOSHIYUKI
 SUZUKI KAZUO
 TAKAHASHI CHIZUKO

(54) UREA DERIVATIVE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new urea derivative useful as an active ingredient of a medicine used for prevention and/or treatment of diseases such as hyperlipemia or arteriosclerosis.

SOLUTION: This urea derivative is represented by formula I [R₁ to R₃ are each H, OH, an alkyl, an alkoxy, an aralkyloxy, etc.; R₄ is H, an alkyl, a cycloalkyl, etc.; R₅ to R₇ are each H, an alkoxy, an alkyl, OH, etc.; Y is an alkyl, an aryl, etc.; (k) is 0-3; (1) is 2-4], its salt, hydrate or solvate, e.g. N-[4-(4-methyl-1-piperazinyl)phenyl]methyl-N'-[2-[3-(4-phenyl-1-piperazinyl)propoxy]-6-methylphenyl]urea. The compound represented by formula I is obtained by converting an aniline derivative represented by formula II into a reactional intermediate represented by formula III



(Z is a halogen, an aryloxy, etc.), then reacting the resultant intermediate with an amine derivative represented by formula IV in which (k) is 1-3 or an aniline derivative represented by formula IV in which (k) is 0.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office